Micronet
Faster and Easier Networks

Quick Installation Guide

EtherFast 10/100M Switch

Model No.: SP616EB

http://www.micronet.info

Introduction

Micronet SP616EB 10/100M Switch provides powerful, high-performance Ethernet switch, with all 16 ports capable of 10M and 100M auto-negotiation operation. With its intelligent addressing engine, it provides users with a wire-speed filtering and forwarding of the traffic. All ports support auto-uplink detection, so users don't have to worry about the cable type. Each port will automatically communicate for best speed and to run in half- or full-duplex mode. Store-and-forward switching function prevents damaged packets and network errors from being passed on into the network.

Package Contents

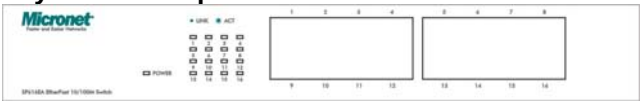
Before installing the device, please verify the following items are in the package:

- EtherFast 10/100M Switch
- Quick Installation Guide
- Power cord

Features

- Compliant with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX and IEEE802.3x flow control
- Supports speed (10/100Mbps) and duplex mode(Half/Full) and auto-detection
- Supports MDI/MDI-X auto crossover
- Supports full and half duplex operation on all ports
- Supports back-pressure (Half/Full) and flow control (IEEE 802.3x)
- Supports extensive LED indicators for network diagnostics
- Wire-speed packet filtering and forwarding rate
- Store-and-forward architecture filters fragment & CRC error packets
- 10” and 19” rack-mountable

Physical Description



SP616EB front view

Please refer to the following table for LED definition.

LED	Status	Operation
POWER	On	Power is on.
	Off	Power is off.
LNK/ACT	On/Green	Connection established.
	Blink/Green	Transmitting or receiving data.
	Off	No link.

Installation

Installation is easy-- simply connect the cables and the power cord. The system is ready, and you can use all the features.

Connect each station to the switch by twisted-pair cable. Plug one of the RJ-45 connectors into a RJ-45 port of the switch, and plug the other RJ-45 connector into the station's network adapter. Power on the switch and then the system is ready.

All ports could be used to connect with another switch. As all the ports support auto-uplink (MDI / MDI-X) function, user can choose to use a straight cable or a crossover cable to make a switch-to-switch connection.

For cable selection, refer to the following table：

Network Speed	Connector	Cable Type	Max. Length
10BaseT	RJ-45	Cat. 3, 4, 5 UTP/STP	100 m
100BaseTX	RJ-45	Cat. 5 UTP/STP	100 m

Note: *To prevent costly equipment damage and downtime, please consider installing a surge suppression device or a UPS (Un-interrupted Power Supply).*

Specifications

Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, compliant
Interface	16 * 10/100M RJ-45 ports
Cable Connections	10BASE-T: Cat. 3, 4, 5 UTP/STP 100BASE-TX: Cat. 5 UTP/STP
MAC address	8K
Buffer Memory	160K Byte for the whole system
NWay Protocol	Network speed:10Mbps and 100Mpbs Duplex mode: Full and Half
Uplink	Auto Uplink (Auto MDI / MDI-X)
Filtering/Forwarding Rate	10Mbps: 14,880pps/14,880pps 100Mbps: 148,800pps/148,800pps
Emission	FCC Class A, CE
Operating Temperature	0° - 40° C (32° - 104° F)
Operating Humidity	10% - 90% (Non-condensing)
Dimension (mm)	267 × 161 × 44
Weight (kg)	1.2
Power Supply	100 ~ 240V AC, 50/60Hz Full range internal power supply

CE Mark Warning

This equipment complies with the requirements relating to electromagnetic compatibility, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

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